summer program 1977
umass boston

UMB. 1-26

Summer 1977 Calendar

Advance Registration Period	April 25-May 13
* Classes Begin	June 13 Monday
Add/Drop Deadline	June 16 Thursday
Holiday	July 4 Monday
Pass/Fail Deadline	July 7 Thursday
Withdrawal Deadline	July 27 Wednesday
Last Day of Classes	July 28 Thursday
Final Examinations	August 1 Monday

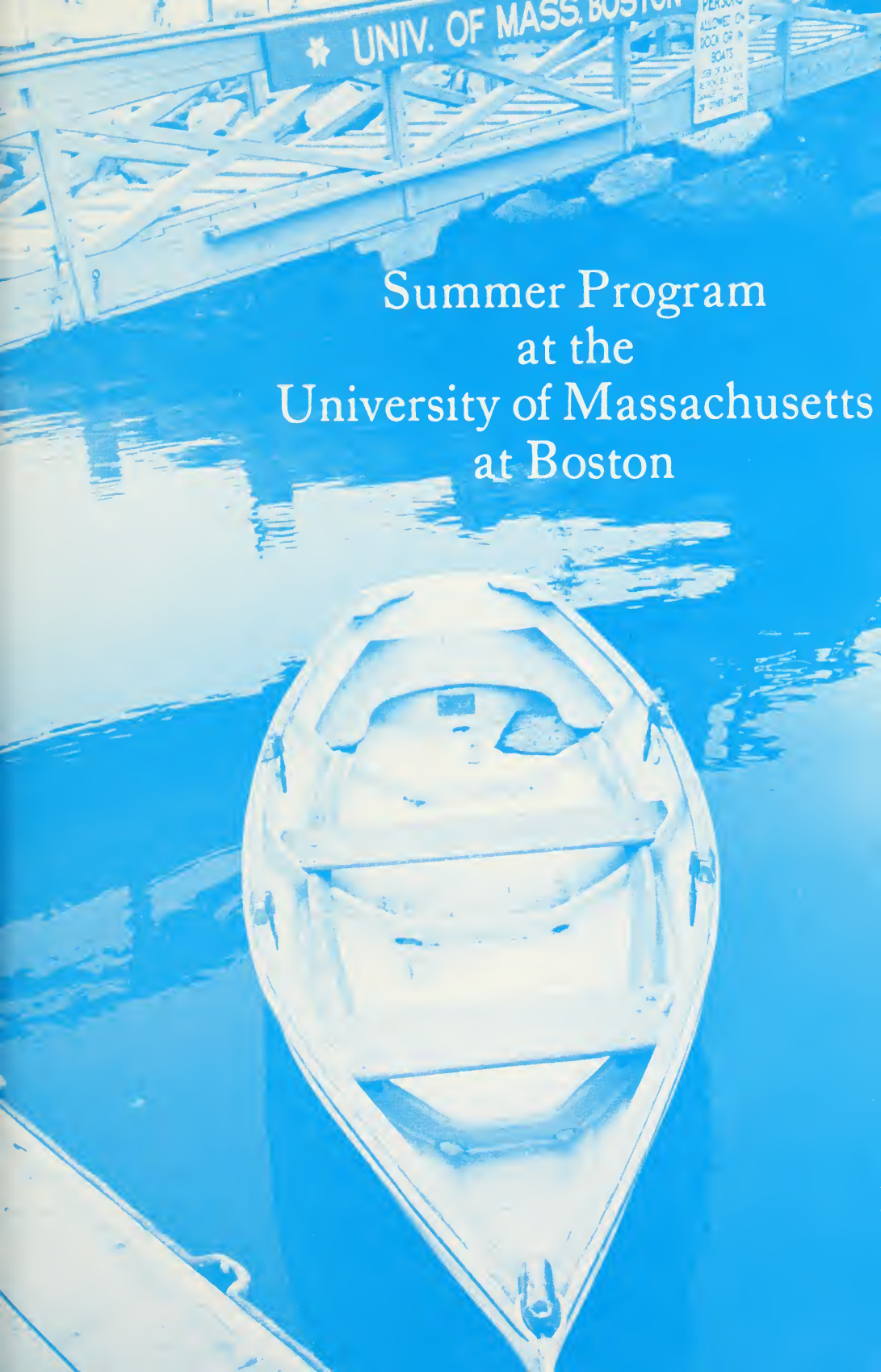
Class Schedules

Classes meet for 1 hour and 15 minutes, 4 days a week, Monday through Thursday, unless noted differently. Class times for the Summer session are 8:30, 10:00, 11:30, 5:30, and 7:00.

*NOTE: Some science and language courses will be on a different time table. For further information please check the schedule of courses in this catalogue. These courses will start June 6th.

Cover Design: Lawrence Yang

Photos by: Peter Cutler and Philip Stack



Summer Program at the University of Massachusetts at Boston

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I would like to extend my gratitude to the Point Press (a totally student-run organization), to the Registrar's Office, and to the Public Relations Office for their help and cooperation in the production of this catalogue.

Maria-Luisa Roberts, Director

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Legend

A. Administration
B. Library
C. Science Bldg.
D. Building I
E. Building II
F. Service & Supply
G. Campus Entrance
H. Campus Exit
I. Shuttle Bus Stop
J. Lower Garage Entrance
K. Upper Garage Entrance
L. Garage Exit
M. Promenade
N. Perimeter Road
O. Proposed Physical Ed Bldg.
P. Kennedy Library Site
Q. Proposed MBTA Busway

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The University

The University of Massachusetts at Boston is a young urban university founded in 1965 to provide high quality educational opportunities and services at low cost to the people of Greater Boston, particularly for low and moderate income residents. The University has centered its efforts in high quality liberal arts and pre-professional education at the undergraduate level. It has five Master's programs in Mathematics, English, Chemistry, History and Biology. The student body is enrolled in the College of Liberal Arts, the College of Public and Community Service, and the College of Professional Studies. In each of the colleges a low faculty-student ratio has been maintained in order to perform the perennial tasks of Western universities: to preserve and transmit what is known, to inquire into what is unknown, and to educate a new generation for its own inquiries into the known and unknown.

The University is located at its new and exciting campus by the sea in Dorchester. The University also maintains its downtown Boston campus in the Park Square area at 100 Arlington Street.

At the Harbor Campus there is a complex of six buildings: the two academic centers for liberal arts, the central library, the science center, plus the administration and service buildings. This new campus of 100 acres is located on Dorchester Bay and is approximately three miles from the downtown campus. It is near the Columbia MBTA station, and free shuttle buses are provided to and from the campus.

The campus educational facilities are divided into three colleges to provide diversity within the University and structure to those groups of students who share common education interests and goals. The College of Liberal Arts is based primarily upon the traditional liberal arts and constitutes the major component of the Harbor Campus. This college provides students with both traditional and experimental ways of studying and exploring subjects and disciplines of human experience. The College of Public and Community Service, provides a curriculum which combines learning based on the certification of the individual student's competence in an activity characteristic of a college addressing urban problems. The College of Professional Studies, is committed to offering students high quality professional programs which meet established standards and requirements for entrance into careers, while providing a solid education in the Liberal Arts and Sciences.

For the past nine years UMass/Boston has offered an extensive list of undergraduate, as well as some graduate, courses during the summer. The summer term allows students to fulfill University requirements or explore areas outside the scope of their regular academic career.

Since 1976 the Summer School has operated on a fee-assisted, self-supporting basis, which allows for a greater variety of courses and programs. The Summer Program gives priority to courses that are usually over-enrolled during the regular semesters, thereby, enabling students to enroll in courses that they may have missed previously.

During the summer, courses offered by the College of Liberal Arts and the College of Professional Studies are given at the Harbor Campus of the University. The College of Public and Community Service has a limited number of offerings at the Park Square Campus. In addition to the courses offered at our Harbor and Park Square Campuses, the University has been offering courses on the Island of Nantucket. Courses in the fields of Biology, and Theatre Arts will be given there this Summer and interested students are advised to contact the individual departments for further information.

General Information

Walk-In Registration

Registration forms are available in the Registrar's Office, Plaza Level, Administration Building. *Do not* use the application that is included in this book. Students may register for Summer courses by submitting the form to the Registrar's Office by May 13. The Registrar's Office will be open for Summer registration Monday through Friday, 9:30-3:30. To reserve a space in the course you must pay when registering. No registration will be accepted without the correct payment. Registration will be on a space available basis.

Mail-In Registration

Fill out the Registration form that is included in the Summer booklet and send it to the Registrar's Office along with the appropriate fees. *Please make out a separate check for each course that is being requested and a separate $11 check for fees.* Registration will be accepted on a space available basis. To reserve a space in the course payment must be included with the Registration form.

The University must reserve the right to cancel any course. All fees will be refunded in full to any student who pays for a course that is subsequently cancelled. Refunds cannot be processed until the end of Add/Drop period.

Acceptance into the Summer program does not imply acceptance into the University. Any student who wants to matriculate into the University must submit an application to the Admissions Office.

Payment

Payment must be made in full before registration can be accepted. All bills must be paid by check. Cash payments will not be accepted. Make checks payable to the University of Massachusetts/Boston.

Fees

Course fee:

Undergraduate — $25/credit

Graduate — $40/credit

Mandatory Health Fee — $6

Mandatory Activities Fee — $5

Fees are the same regardless of the number of courses taken.

All fees are mandatory and must be paid when registering. No application can be accepted without payment in full.

When registering by mail, please remit separate course fee checks for each course requested and an additional $11 check for the fees. Submission of separate check payments will allow for the return of any payment for courses that are no longer available. Any student who combines payments into one check does so at the risk of having the entire application returned.

Financial Aid

Financial Aid for Summer School will be available to currently enrolled University of Massachusetts/Boston students *ONLY*. Grants and Loans will be available to cover the cost of course fees, health fee and activities fee. There will be no refunds available for books and maintenance costs.

Students interested in applying for Summer School assistance must submit the following forms on or before *March 15, 1977:*

1) University Application
2) Financial Aid Form
3) Income Verification

In addition, a Summer School Clearance Form must also be submitted. These forms will be available the week of April 18th.

Students who apply after March 15 will be among the last to be considered for Summer School assistance.

The last day to submit a Summer School Clearance Form will be May 9, 1977. Students applying for Summer School financial aid must follow the

procedures outlined below:

1) Pick up registration form in Registrar's Office and list courses for which you intend to register
2) Bring registration form to Financial Aid Office
3) Also, complete a Summer School Clearance Form available in the Financial Aid Office
4) Verification of the clearance form will take a minimum of 24 hours, therefore, the student should submit a clearance form as soon as possible so his/her registration can be confirmed.

Payment By Outside Agencies

Students whose bill is to be paid by an outside agency must include this on their application. These applications must be certified by the Bursar's Office. Clearance will only be granted if proof of coverage is on file with the Bursar.

Veterans

UM/B students now receiving educational benefits through the Veterans Administration and who wish to continue these benefits during the Summer session should contact the Office of Veterans Affairs for Summer certification. Non-UM/B Summer students who are eligible for educational benefits and who desire to use their benefits must contact the Office of Veterans Affairs.

Tuition waivers for Massachusetts Veterans will not be accepted for the Summer session. All fees must be paid in full by the veteran.

Books, Stationery and Supplies

Students should be prepared to pay for all necessary books and incidental supplies. Certain departments make special charges for laboratory supplies.

Refunds

Refunds cannot be processed until after the Add/Drop period. A student who withdraws from all courses before the entire session is completed will ordinarily be granted a refund according to the following schedule:

Prior to the first day of classes	100%
During the first week of classes	60%
During the second week of classes	20%
During the third week of classes	No Refund

The refund will be computed on the basis of the withdrawal date established by the Registrar's Office. Any student who does not attend any part of the

session will be given a refund provided he notifies the Registrar's Office before the first day.

Non-attendance does not constitute withdrawal. To be eligible for any refund the student must file a withdrawal form by the appropriate date.

Academic Information

Adding or Dropping Courses

Students may add or drop any course during the first four academic days of the session without notation on their record. Courses may not be added or dropped after June 16.

Withdrawing From Courses

Students withdrawing from courses between June 17 and June 28 will receive a grade of "W". Withdrawal cards may be obtained in the Registrar's Office. No withdrawal will be accepted after 4:00 p.m. July 28.

Pass/Fail Option

One course per semester may be taken P/F when carrying 12 credits or 3 courses. Pass "P" grade is added to graduation credits but not to quality points or cumulative average. Fail "F" is included in quality points or cumulative average as a regular "F". Students enrolled in a course designated as Pass/Fail may not take another course Pass/Fail in that semester. Any student submitting 2 Pass/Fail cards in one semester will not be allowed to take either course on a Pass/Fail basis. A Pass/Fail card, once submitted, cannot be withdrawn after the deadline.

Auditing

Students wishing to audit courses should register with the Registrar's Office by the fourth academic day of the session. Regular fees will be charged.

Final Examinations

Final examinations will be given during the regular class time. At the option of the instructor, an exam may take two class periods.

Credit For Summer Work

All courses carry degree credit and are equivalent in method, content and credit to courses offered at the University during the regular academic year. Credits obtained in these courses are ordinarily accepted as transfer credit by other colleges.

Grades

Grades shall be reported according to the following letter system. No other interpretation of this letter system shall authorized.

A-Excellent
B-Good
C-Fair
D-Passing
F-Failure
INC-Incomplete
P-Passing (Pass/Fail Option)
Y-Interim grade in a declared year long course

The grade of Incomplete shall be reported only when a portion of the assigned or required class work, or the final examination, has not been completed because of the student's serious illness, extreme personal circumstances, or for scholarly reasons at the request of the instructor. If the student's record is such that he would fail the course regardless of the result of the missing work, he shall fail. A student can obtain credit for an incomplete only by finishing the work of the course by the end of the following semester. The initiative for removal of the incomplete grade rests with the student.

An incomplete on a final grade report is not calculated in arriving at a temporary quality point average. When the incomplete is later converted to a grade, the quality points are changed and the student is notified.

Once a grade is submitted, it cannot be changed except on approval of the Department Chairperson.

Quality Points

Quality points are assigned to course grades as follows; A-4; B-3; C-2; D-1; F-0. The quality points for each grade are multiplied by the number of credits for the course, and the totals for all courses are added to arrive at the number of cumulative quality points. The number of cumulative quality points is divided by the number of cumulative credits carried to arrive at the cumulative quality point average. A "P" is not averaged in the cumulative average.

Transcripts

All students who wish a transcript of the grades sent to another school must complete a transcript request in the Registrar's Office.

University of Massachusetts at Boston students receive transcripts under the present University policy. The first two transcripts are free, each additional transcript costs $1. Non UM/B students will receive one free transcript with each additional copy costing $1.

Regulations

Normal University regulations will apply during the Summer session, unless otherwise specified. Students are advised to consult the Student Handbook, "Info and Images".

University Services

Library

The University Library holds a book collection of approximately 250,000 volumes. The library currently receives more than 2,500 domestic and foreign journals and newspapers and maintains a growing collection of government documents and a fine arts and music library with listening carrels. The Science Library contains collections in Biology, Chemistry, Mathematics and Physics. There is also a small, special collection for the students and faculty of the College of Community and Public Service in the library in the mezzanine at 100 Arlington Street at Park Square.

The main Library is centrally located on the Campus off the Plaza and is easily accessible from the bridge connecting all of the buildings on campus. Its public catalog holds a record for every book in all three University libraries, which together provide the resources that support the teaching programs of the University.

Bookstore

The campus bookstore carries textbooks for University required courses. Selection of non-required reading material, paper supplies, stationery, art supplies, UMass T-shirts and jackets, class rings, cards, cigarettes, candy and gift items are also available.

Child Care Center

Child care is available to students of UMass/Boston during the summer. The Child Care Center is housed in the Science Building 1/012 in very attractive and spacious quarters.

This program is operated by trained personnel and charges run on a subsidized fee scale. Children between the ages of 18 months and 7 years are eligible. For information call Ext. 2446.

Tutorial Serivces

The University provides free tutoring services in the following areas: Chemistry, Biology, Freshman English (writing), Mathematics, Physics, and introductory level languages. Interested students should contact the Academic Support Services, Building 020.

Cultural Activities

A variety of cultural activities are held at the Harbor Campus during the summer. This includes musical, theatrical and other artistic events. Students are invited to the Student Activities Office to suggest summer events, and also to take advantage of the ticket services which offer tickets at reduced prices for sporting and cultural events in the Greater Boston area.

Cafeterias

During the Summer two cafeterias will be operating on campus. One is located in the G-2 level of the Administration Building servicing the public during the day and evening hours. The cafeteria on the 3rd floor of Building II will also provide facilities for eating on campus.

Housing

The University is a commuter campus with no residential facilities for students. The Offices of Housing and Transportation has rental information available to interested persons.

Transportation

Free and frequent shuttle bus service is provided between the Campus and Columbia Station on the MBTA Red Line (see map). There is also service from the Harbor Campus to the Park Square Campus.

Parking

Parking is available in our two underground garages. All vehicles are required to pay $1.50 per day to park in the garage. Short-term rates are 50 cents for the first half hour, 50 cents for the next full hour; anytime beyond one and a half hours will be charged at the $1.50 daily rate. Short-term passes must be obtained at the Information Booth on the Campus Road before entering the garage. A discount card with ten tickets is also available at the Parking Booth and costs $10.00.

Motorcycles are charged at half rate.

Health Services

Health Services are available during the summer to those students who have enrolled in a Summer School Program. Registered nurses are on duty during the day at the Health Services Office in the Administration Building. Clinical and laboratory facilities are available. Physicians, gynecologists, psychologists and a psychiatrist are available on an appointment basis and referrals to other special consultants are arranged when necessary.

Recreational Facilities

Until the Physical Education Building is completed, all athletic facilities are housed in Buildings I and II. Building I contains a swimming pool, four handball courts, a weight room and an exercise room. Located in Building II are a gymnasium, two handball courts, two squash courts and a weight room.

Outdoor facilities include two athletic fields, the front field located near the Administration Building and the back one located behind Building I. Both are marked for football, soccer, softball, volleyball and horseshoes.

Sailing Program

A summer sailing program will be conducted at our Harbor Campus. Ten Mercury sailboats and 8 rowing dories are available for use at the sailing dock located adjacent to the pumphouse near the library. Sailing instructions can be obtained upon request.

All athletic and recreational facilities are open to students, faculty and staff during the summer.

Graduate Programs

UMass/Boston also offers a program of graduate studies in the fields of Biology, Chemistry, English, History and Mathematics.

For information concerning summer graduate offerings, please contact the appropriate departments.

Schedule of Courses

Key to understanding course listings:

Anth	*101*		*Intro Anthropology*		*4 cr*	
	1A	*021155*		*MTUWTH 10:00*		*Berde*

This signifies that the schedule number for section 1A of Anthropology 101 is 021155. The course meets Monday, Tuesday, Wednesday and Thursday at 10:00 and is taught by Berde. The course carries 4 undergraduate credits.

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR

College of Liberal Arts

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR
Anthropology						
Anth	101		Intro Anthropology		4 cr	
	1A	021155		MTUWTH 10:00		Berde
	2A	021183		MTUWTH 11:30		Fazel
Anth	254		Psychological Anthropology		3 cr	
	1A	021466		MTUWTH 10:00		Ayres
Anth	263		Cultural Ecology		3 cr	
	1A	021749		MTUWTH 5:30		Fazel
Anth	267		Anthropology of Religion		3 cr	
	1A	022026		MTUWTH 11:30		Harwood
Art						
Art	175		Visual Fundamentals		4 cr	
	1A	022309	MTUWTH 8:30-10:30	9-8-013		Thurman
		Lab Fee: $15				
Art	281		Drawing I		3 cr	
	1A	022587	MTUWTH 8:30-10.30	9-8-009		Garrison
Art	293		Photography I		3 cr	
	1A	022860	MTUWTH 10:00-12:30	9-8-025		Horestein
		Lab Fee: $10				
Biology						
Biol	101		Basis of Life		4 cr	
	1A	023147		MTUWTHF 8:30-10:00		Hager
		Meets: 6 June-1 July				
Biol	102		Evolutionary Biology		4 cr	
	1A	023420		MTUWTHF 8:30-10:00		Rex
		Meets: 5 July-29 July				
Biol	112		General Biology II		4 cr	
	Lec 1A	023703		MTUWTH 8:30		Sheerin
	Lab 1A	023753		MTUWTH 8:30-10:00		
	2A	023781		by arrangement		
		Meets: 6 June-15 July				
		Lab Fee: $7				

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR
Biol	200		Field Biology		1-6 cr	
	1A	024068		by arrangement		
		This course is given on Nantucket Island (6 June-1 July).				
		Prerequisite: Permission of the Biology Department.				
Biol	722		Electron Microscopy		5 cr	Dr Banerjee
	1A	024341		MTUWTH 8:30-1:00		
	Lec-Lab	6 June- 15 July				

Black Studies

Blksty	100		Intro to Black Literature		3 cr	
	1A	024624		MTUWTH 10:00		Montiero
Blksty	108		Black Social Movements		3 cr	
	1A	024907		MTUWTH 5:30		Featherstone
Blksty	110		Intro to Black Studies I		4 cr	
	1A	025189		MTUWTH 8:30		Ejofodomi

Chemistry

Chem	101		Chemical Science I		4 cr	
	Lec 1A	025462		MTUTHF 11:30		Zompa
	Dis 1A	025517		W 11:30		Zompa
	2A	025545		W 11:30		Zompa
Chem	103		Chemical Prin I		5 cr	
	Lec 1A	025828		MTUTHF 10:00		Weibrecht
	Lab 1A	025878		TU 1:00-4:00		Weibrecht
	2A	025901		TU 1:00-4:00		Weibrecht
		Meets: 6 June-14 July				
		Lab Fee: $45				
	Dis 1A	025951		W10:00		Weibrecht
Chem	104		Chemical Prin II		5 cr	
	Lec 1A	026238		MTUTHF 10:00		Carter
	Lab 1A	026288		TU 1:00-4:00		Carter
	2A	026311		TH 1:00-4:00		Carter
		Meets: 18 July-26 August				
		Lab Fee: $45				
	Dis 1A	026361		W10:00		Carter
Chem	153		Organic Chemistry I		5 cr	
	Lec 1A	026644		MTUTHF 10:00		Gould Cerny
	Lab 1A	026694		TU 1:00-4:00		Gould Cerny
		Prerequisite: Chemistry 104 or equivalent approved by department.				
	2A	026727		TH 1:00-4:00		
		Meets: 6 June-14 July				
		Lab Fee: $60				
	Dis 1A	026777		W 10:00		Gould Cerny
Chem	154		Organic Chemistry II		5 cr	
	Lec 1A	027054		MTUTHF 10:00		Gould Cerny
	Lab 1A	027109		TU 1:00-4:00		Gould Cerny
	2A	027137		TH 1:00-4:00		Gould Cerny
		Meets: 18 July-26 August				
		Lab Fee: $60				
		Prerequisite: Chemistry 153				
	Dis 1A	027187		W 10:00		Gould Cerny
Chem	721		Chem Synthesis I		3 cr	
	1A	027460		by arrangement		

Classics

Clsics	281		Greek and Roman Civilization		4 cr	
	1A	027743		MTUWTH 11:30		Houben
Clsics	285		Greek and Roman Tragedy		4 cr	
	1A	028020		MTUWTH 19:00		Schork

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR

Economics

Econ	100		Economic Literacy		4 cr	
	1A	028303		MTUWTH 8:30		Kirsch
	2A	028331		MTUWTH 10:00		Wolozin
	3A	028369		MTUWTH 5:30		Chachere
Econ	155		Statistics		4 cr	
	1A	028642		MTUWTH 11:30		Garrity
Econ	200		Macroeconomics		3 cr	
	1A	028925		MTUWTH 19:00		Chachere
Econ	201		Microeconomics		3 cr	
	1A	029202		MTUWTH 10:00		Staff
Econ	236		Economic Development		3 cr	
	1A	029480		MTUWTH 10:00		Garrity
Econ	249		Economics of Environment		3 cr	
	1A	029763		MTUWTH 11:30		Wolozin
Econ	280		Economics of Health Care		3 cr	
	1A	030043		MTUWTH 8:30		Esposito

English

Engl	101		Freshman English I		4 cr	
	1A	030326		MTUWTH 19:00		Shariat
Engl	102		Freshman English II		4 cr	
	1A	030609		MTUWTH 10:00		Truesdell
	2A	030637		MTUWTH 5:30		Bershtel
Engl	203		Intro Shakespeare		4 cr	
	1A	030910		MTUWTH 11:30		Phillips
Engl	213		Nature of Literature: Fiction		4 cr	
	1A	031192		MTUWTH 5:30		Jones
Engl	240		Intermediate Composition		4 cr	
	1A	031475		MTUWTH 10:00		Mendillo
Engl	330		History of the English Language		3 cr	
	1A	031758		MTUWTH 10:00		Bruss
Engl	422		Faulkner		3 cr	
	1A	032035		MTUWTH 8:30		Davis T.
Engl	705		Contemporary American Fiction		5 cr	
	1A	032318		MW 4:00-18:15		O'Connell
Engl	720		Chaucer		5 cr	
	1A	032596		TUTH 4:00-18:15		McAlpine

French

French	101		Elementary French I		4 cr	
	Lec 1A	032879		MTUWTH 8:30-10:10		Stern
	Lab 1A	032924		MW 10:30		
		Meets: 6 June-14 July				
		Lab Fee: $4				
French	102		Elementary French II		4 cr	
	Lec 1A	033201		MTUWTH 8:30-10:10		Stern
	Lab 1A	033251		MW 10:30		
		Meets: 18 July-25 August				
		Lab Fee: $4				
French	240		French Conversation		4 cr	
	1A	033534		MTUWTH 19:00		Staff
French	262		Contemporary French Theatre		4 cr	
	1A	033817		MTUWTH 11:30		Anzalone
French	301		Traduction et Style		3 cr	
	1A	034099		MTUWTH 10:00		Anzalone

German

German	101		Elementary German I		4 cr	
	Lec 1A	034372		MTUWTH 8:30-10:10		Hoelzel
	Lab 1A	034427		TUTH 10:30		
		Meets: 6 June-14 July				
		Lab Fee: $4				

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR
German	102		Elementary German II		4 cr	
	Lec 1A	034700		MTUWTH 10:00-11:40		Boelcskevy
	Lab 1A	034750		TUTH 12:30		
		Meets: 18 July-25 August				
		Lab Fee: $4				

History

Hist	111		Modern Western Civilization I		4 cr	
	1A	035037		MTUWTH 10:00		Segal
Hist	112		Modern Western Civilization II		4 cr	
	1A	035310		MTUWTH 19:00		Mago
Hist	117		Intro African Civilization I		4 cr	
	1A	035598		MTUWTH 10:00		Amiji
Hist	265		American History I		4 cr	
	1A	035871		MTUWTH 8:30		Brown
Hist	266		American History II		4 cr	
	1A	036158		MTUWTH 5:30		Halstead
Hist	277		U.S. 1937-Present		3 cr	
	1A	036431		MTUWTH 11:30		Brown

Humanities

Human	383		Images of Women		3 cr	
	1A	036714		MTUWTH 11:30		Hunt

Italian

Ital	101		Elementary Italian		4 cr	
	Lec 1A	038673		MTUWTH 8:30-10:10		Carrara
	Lab 1A	038728		MW 11:30		
		Meets: 6 June-14 July				
		LAB Fee: $4				
Ital	102		Elementary Italian		4 cr	
	Lec 1A	039005		MTUWTH 8:30-10:10		Staff
	Lab 1A	039055		TUTH 10:30		
		Meets: 18 July-26 August				
		Lab Fee: $4				

Latin

Latin	101		Elementary Latin I		4 cr	
	1A	039338		MTUWTH 10:00-11:30		Staff
		Meets: 6 June-14 July				
Latin	102		Elementary Latin II		4 cr	
	1A	039366		MTUWTH 10:00-11:30		Staff
		Meets: 18 July-25 August				

Law and Justice

LawJus	103A		Juries		1 cr	
	1A	039611		MTUWTH 8:30		Swartz
		Meets: 12 June-27 June				
LawJus	103B		Punishment		2 cr	
	1A	039899		MTUWTH 8:30		Swartz
		Meets: 28 June-28 July				
LawJus	104		Intro Law and Justice		4 cr	
	1A	040179		MTUWTH 10:00		Cohen Feldberg
LawJus	470A		Criminal Law		3 cr	
	1A	040452		MTUWTH 11:30		Stern

Mathematics

Math	110		Basic Math and College Algebra		4 cr	
	1A	040735		MTUWTH 8:30		Staff
	2A	040763		MTUWTH 10:00		Staff

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR
Math	125		Elementary Probability Theory		4 cr	
	1A	041040		MTUWTH 8:30		Staff
Math	126		Elementary Statistics		4 cr	
	1A	041323		MTUWTH 10:00		Elyash
Math	130		College Algebra and Trig		4 cr	
	1A	041606		MTUWTH 8:30		Staff
	2A	041634		MTUWTH 19:00		Byrnes
Math	140		Calculus I		4 cr	
	1A	041917		MTUWTH 8:30		Kamowitz
	2A	041945		MTUWTH 10:00		Mukherjee
	3A	041973		MTUWTH 5:30		Byrnes
Math	141		Calculus II		4 cr	
	1A	042250		MTUWTH 10:00		Tomlinson
Math	150		Vector Geometry and Matr		4 cr	
	1A	042533		MTUWTH 8:30		Tamimoto
Math	260		Linear Algebra I		4 cr	
	1A	042816		MTUWTH 8:30		Godfrey
Math	267		Intro Comp Prog II		4 cr	
	1A	043098		MTUWTH 11:30		Lukus
Math	310		Appl Ord Diff Eq I		3 cr	
	1A	043371		MTUWTH 10:00		Wortman
Math	320		Advanced Calculus		3 cr	
	1A	043654		MTUWTH 8:30		Hogan
Math	721		Complex Variables		3 cr	
	1A	043937		MTUTH 5:30-18:45		Azpeitia
Math	731		Partial Diff I		3 cr	
	1A	044214		MTUTH 4:00-5:15		O'Neill

Philosophy

Phil	100		Intro Philosophy		4 cr	
	1A	048060		MTUWTH 10:00		Swartz
	2A	048098		MTUWTH 5:30		Radden
Phil	120		Logic		4 cr	
	1A	048371		MTUWTH 8:30		Miller
Phil	130		Phil of Education		3 cr	
	1A	048654		MTUWTH 11:30		Shope
Phil	224		Philosophy of Art		3 cr	
	1A	048937		MTUWTH 10:00		Andic

Physics

Physics	107		College Physics I		4 cr	
	Lec 1A	049214		MTUTH 10:00-12:30		Staff
	Dis 1A	049264		by arrangement		
		Meets: 6 June-14 July				
Physics	108		College Physics II		4 cr	
	Lec 1A	049547		MTUTH 10:00-12:30		Staff
	Dis 1A	049597		by arrangement		
		Meets: 18 July-25 August				
Physics	122		Intro Astronomy II		4 cr	
	1A	049870		MTUWTH 8:30		Staff
		Note: Astronomy I is not a prerequisite for this course				
Physics	132		Energy		4 cr	
	1A	050150		MTUWTH 10:00		Staff
Physics	171		Intro Physics Lab I		1 cr	
	1A	050433		W9:30-12:00		Staff
		Meets: 6 June-14 July				
Physics	172		Intro Physics Lab II		1 cr	
	1A	050716		W9:30-12:00		Staff
		Meets: 18 July-25 August				

Political Science

PolSci	122		Govt and Politics of U.S.		4 cr	
	1A	050994		MTUWTH 8:30		Osner

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR
PolSci	123		20th Century Political Ideas		4 cr	
	1A	051271		MTUWTH 11:30		Simonds
	2A	051304		MTUWTH 5:30		Simonds
PolSci	424		American Foreign Policy		3 cr	
	1A	051582		MTUWTH 10:00		Posner

Psychology

Psych	101		Intro Psychology		4 cr	
	1A	051865		MTUWTH 10:00		Samuels
	2A	051893		MTUWTH 5:30		Staff
Psych	200		Personality		3 cr	
	1A	052170		MTUWTH 10:00		Costa
	2A	052203		MTUWTH 5:30		Barton
Psych	215		Psychopathology		3 cr	
	1A	052481		MTUWTH 10:00		Gaines
	2A	052514		MTUWTH 11:30		Costa
Psych	245		Educational Psych		3 cr	
	1A	052792		MTUWTH 10:00		Schleifer
	2A	052825		MTUWTH 11:30		Schleifer
Psych	260		Physiological Psych		3 cr	
	1A	053102		MTUWTH 11:30		Samuels

Study of Religion

RelSty	122		Intro to Religion		4 cr	
	1A	053380		MTUWTH 19:30		

Russian

Russ	101		Elementary Russian		4 cr	
	Lec 1A	053663		MTUWTH 10:30-12:10		Kostich
	Lab 1A	053718		TUTH 9:30		
		Meets: 6 June-14 July				
		Lab Fee: $4				
Russ	102		Elementary Russian		4 cr	
	Lec 1A	053996		MTUWTH 10:30-12:10		Kostich
	Lab 1A	054045		TUTH 9:30		
		Meets: 18 July-25 August				
		Lab Fee: $4				
Russ	265		Checkhov		4 cr	
	1A	054328		MTUWTH 8:30		Kostich
		Taught in English				

Sociology

Sociol	101		Intro Sociology		4 cr	
	1A	054601		MTUWTH 8:30		Gerstein
	2A	054639		MTH 11:30-2:00		Baumann
	3A	054667		MTUWTH 5:30		Barlow
Sociol	211		Urban Community		3 cr	
	1A	054940		MTUWTH 8:30		Nikkel
Sociol	241		Elements Soc Theory		3 cr	
	1A	055227		MTUWTH 10:00		Kamara
	2A	055255		MTUWTH 5:30		Adriance
Sociol	261		Deviance and Control		3 cr	
	1A	055538		MTUWTH 10:00		Jacobs
Sociol	351		Methods of Research		3 cr	
	1A	055811		MTUWTH 11:30		Brown
Sociol	361		Criminology		3 cr	
	1A	056093		MTUWTH 8:30		Movehedi
	2A	056126		MTUWTH 11:30		Movahedi
Sociol	382		Soc Psy of Sex Roles		3 cr	
	1A	056409		MTUWTH 10:00		Preston
Sociol	463		Corrections		3 cr	
	1A	056687		MTUWTH 8:30		Brin
Sociol	466	056960		MTUWTH 19:00		Cadigan

DEPT	COURSE SEC	SCHEDULE NUMBER	TITLE	MEETING TIMES	CR	INSTRUCTOR

Spanish

Span	101		Elementary Spanish		4 cr	
	Lec 1A	057247		MTUWTH 8:30-10:10		Staff
	Lab 1A	057297		MW 9:30		
		Meets: 6 June-14 July				
		Lab Fee: $4				
Span	102		Elementary Spanish		4 cr	
	Lec 1A	057570		MTUWTH 8:30-10:10		Staff
	Lab 1A	057625		MW 9:30		
		Meets: 18 July-25 August				
		Lab Fee: $4				
Span	115		Intensive Elementary Spanish		8 cr	
	1A	057908		MTUWTH 5:30-20:15		Staff
Span	201		Intermediate Spanish		4 cr	
	1A	058180		MTUWTH 10:30-11:45		Staff
		Meets: 6 June-14 July				
Span	202		Intermediate Spanish		4 cr	
	1A	058463		MTUWTH 10:30-11:45		Staff
Span	303		Advanced Composition and Conversation		3 cr	
	1A	058746		MTUWTH 10:00		Staff

Theatre Arts

ThrArt	230		Workshop: Musical Theatre		4 cr	
	1A	059023		MW 19:00-21:30		Vanvoorhis Roberts W.
ThrArt	236		Intro Acting I		3 cr	
	1A	059306		TUTH 19:00-21:30		Ausubel Edelson
ThrArt	481		Shakespearian Acting		3 cr	
	1A	059584		by arrangement		Roberts L.
		Prerequisite: Permission of instructor				
		Note: This course taught on Nantucket Island				
		Meets: 1 August-30 August				

Women's Studies

WoSt	100		Women and Society		4 cr	
	1A	059867		MTUWTH 8:30		Froines

College of Community and Public Service

Human Growth and Development

HumGro	100		Making It		3 cr	
	1A	036992		MW 5:30-20:00		Upshur
HumGro	101		Male and Female		3 cr	
	1A	037279		TUTH 10:00-12:30		Wachs
HumGro	102		Exp a Small Group		3 cr	
	1A	037552		MW 10:00-12:30		Wachs

Management and Transformation of Institutions

Instit	100		Media and Public Interest		4 cr	
	1A	037835		MW 10:00-1:00		Hart
Instit	101		Production Workshop		4 cr	
	1A	038112		TUTH 2:00-5:00		Burnham Gerow
		Lab Fee: $25				
Instit	102		Communications Planning		4 cr	
	1A	038390		TUTH 8:30-1:00		Weil

College of Professional Studies

Management

Mgt	110		Communications I		4 cr
	1A	044492		MTUWTH 10:00	
Mgt	125		College Algebra		4 cr
	1A	044775		MTUWTH 8:30	
Mgt	140		Intro to Management		4 cr
	1A	045052		TUTH 10:00-12:30	
	2A	045080		TUTH 18:00-20:30	
Mgt	220		Managerial Statistics		4 cr
	1A	045363		MTUWTH 8:00-9:45	
	2A	045391		TUWTH 18:00-20:15	
Mgt	301		Communications Sem		1-3 cr
	1A	045674		MTUWTH 8:30	
Mgt	320		Operations Research		3 cr
	1A	045957		MW 10:00-12:30	
	2A	045985		MW 18:00-20:30	
Mgt	321		Operations Management		3 cr
	1A	046262		MW 18:00-20:30	
Mgt	330		Marketing Pub/Prv I		3 cr
	1A	046545		MW 10:00-12:30	
	2A	046573		MW 18:00-20:30	
Mgt	340		Management Finance Res I		4 cr
	1A	046856		MTUWTH 8:00-9:45	
	2A	046884		TUWTH 18:00-20:15	
Mgt	350		Management Human Resources I		3 cr
	1A	047161		TUTH 10:00-12:30	
	2A	047199		TUTH 18:00-20:30	
Mgt	480		Management Internship		4-8 cr
	1A	047472		by arrangement	
Mgt	500		Northeastern Exchange		1-4 cr
	1A	047755		by arrangement	
	2A	047783		by arrangement	

Directory of Courses

College of Liberal Arts

Anthropology

Anth 101 *Introduction to Anthropology*
A survey of anthropology and its various subdisciplines — physical anthropology, archaeology, linguistics, and cultural anthropology. This course emphasizes human biological and cultural evolution, the relationship between language and culture, and the variety and diversity of human cultural adaptations presented through readings and films on selected hunter-gatherer, horticultural and agricultural societies. Course emphases may vary according to the special interests of the instructor.
3 lecture hours 4 credits
Mr. Berde, Mr. Fazel

Anth 254 *Psychological Anthropology*
A consideration of interrelationships between personality and culture. The effects of culturally patterned experience on personality formation. The role of psychological processes as determinants of culture.
Prerequisite: Intro Anthropology or permission of instructor.
3 lecture hours 3 credits
Ms. Ayres

Anth 263 *Cultural Ecology*
The interrelationships among human populations, human institutions, and their physical environment.
3 lecture hours 3 credits
Mr. Fazel

Anth 267 *Anthropology of Religion*
A comparative study of religion, including belief systems, ritual and myth.
prerequisite: Anthropology 101 or permission of instructor.
3 lecture hours 3 credits
Mr. Harwood

Art

Art 175 *Visual Fundamentals*
Development of visual awareness through projects, lectures, discussions which use the camera and other media as a means of establishing new and creative relationships with a visual environment.
4 combined lecture/studio hours 4 credits
Mr. Thurman

Art 281 *Drawing I*
Basic materials and techniques, with emphasis on drawing as a primary means for the description and interpretation of man and his environment. Problems in still life, landscape, and life drawing.
Prerequisite: Art 100 or Art 175, or equivalent, or permission of instructor.
4 combined lecture/studio hours 3 credits
Ms. Garrison

Art 293 *Photography I*
This course introduces the student to basic issues in photography. Mechanics of the camera, techniques of the darkroom, and creative and personal import. Illustrated lectures, class critiques, and assigned lab hours. Some attention is given to the history of photography and its more significant creative impulses.
Prerequisite: Art 100 or Art 175.
5 combined lecture/studio hours 3 credits
Mr. Horenstein

Biology

Biol 101 *The Basis of Life*
The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
3 lecture hours, 1 discussion hour 4 credits
Mr. Hagar

Biol 102 *Evolutionary Biology*
Mendelian and population genetics, the relationship between environment and the inherited ability of organisms to adapt the processes of genetic change and stability through time. Those areas of genetics, ecology and evolution that form a unified approach to the study of organisms and populations. Although human application and social concerns will be presented, the course will draw its primary substance from the fundamental experiments and discoveries.
3 lecture hours 4 credits
Mr. Rex

Biol 112 *General Biology II*
An integrated course stressing the principles of biology. Life processes are examined primarily at the organismal and population levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Prerequisite: Biology 111.
3 lecture hours, 3 lab hours 4 credits
Staff

Biol 200 *Field Biology on Nantucket*
June 6 - July 15
A summer field-laboratory course conducted at the University Field Station on Nantucket. Emphasis in 1977, *Field Botany*. Lectures, discussions, field trips. Meets every weekday for 4 weeks (length of season subject to change). Mainland students live at the station and are responsible for modest expenses.
Prerequisite: One year Introductory Biology, or equivalent and permission of instructor.
Mrs. Johnson 6 credits

Biol 200 *Field Biology in Nantucket*
Lecture on plant classification and ecology as represented by island habitats. Field study of vegetation and preparation of collections, with intensive instruction in plant identification.
3 lecture hours 1-6 credits
Staff

Black Studies

Blksty 100 *Introduction to Black Literature*
Survey course of Black literature from slavery through present times.
3 lecture hours 3 credits
Ms. Montiero

Blksty 108 *Black Social Movements*
Concepts of social movements as well as the appearance of social movements among Black Americans in the 19th century are examined. Examination of 20th century Black Social movements, especially Marcus Garvey's movement, nation of Islam, the civil rights movement and Black power movement.
Prerequisite: a course in Sociology, Political Science or Afro American History.
3 lecture hours 3 credits
Mr. Featherstone

Blksty 110 *Introduction to Black Studies I*
An introduction to the key issues in Black Studies. An outline of the history of Blacks in America, Canada, the West Indies and the United States to 1865.
3 lecture hours 4 credits
Mr. Ejofodomi

Chemistry

Chem 101 *Chemical Science I*
First semester of a one-year introductory course for non-science majors. The basic principles of atomic structure, molecular structure and chemical change. Topics include atomic theory, the periodic table, chemical bonding and thermochemistry.
3 lecture hours, 1 discussion hour 4 credits
Mr. Zompa

Chem 103 *Chemical Principles I*
Introduction to the fundamental principles of chemistry including structure, the periodic table of the elements, chemical bonding and molecular structure, states of matter based on kinetic theory, chemical kinetics, equilibria, and elementary thermodynamics. Laboratory work presents an introduction to methods of quantitative chemical techniques.
3 lecture hours, 3 lab hours, (1 discussion hour optional)
Mr. Weibrecht 5 credits

Chem 104 *Chemical Principles II*
Introduction to electrochemistry, oxidation-reduction reactions, acid-base systems, and a survey of the chemical properties of elements based on principles already introduced. Laboratory work presents qualitative and quantitative analysis.
Prerequisite: Chemistry 103.
3 lecture hours, 3 lab hours, (1 discussion hour optional)
Mr. Carter 5 credits

Chem 153 *Organic Chemistry I*
An intensive survey of structure, reactions and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chemistry 104, or equivalent course approved by the department.
3 lecture hours, 3 lab hours, 1 discussion hour 5 credits
Mr. Gould, Mr. Cerny

Chem 154 *Organic Chemistry II*
An intensive survey of structure, reactions and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chemistry 104.
3 lecture hours, 3 lab hours, 1 discussion hour 5 credits
Mr. Gould, Mr. Cerny

Classics

Clsics 281 *Greek and Roman Civilization I*
A consideration of the major periods of ancient civilization through the reading of literary masterpieces supplemented by lectures on cultural and historical backgrounds: including Homer, the tragedians (Aeschylus, Sophocles, Euripides) Aristophanes, Plato (Greece). Introduction to archeological and artistic materials. This course and Classics 282 initiate the suggested sequence of Classics 'in translation'.
3 lecture hours 4 credits
Mr. Houben

Clsics 285 *Greek and Roman Tragedy*
A survey of the monumental, dramatic production of fifth century Athens including the works of Aeschylus, Sophocles, and Euripides. Background on period, tragic genre and theatre conventions; influence on Rome and tragedies of Seneca. Offered each semester.
3 lecture hours 4 credits
Mr. Schork

Economics

Econ 100 *Economic Literacy*
A broad introductory survey of economic principles and institutions. Emphasis on the role of economic principles in understanding and analyzing current economic problems.
3 lecture hours 4 credits
Ms. Chachere, Mr. Kirsch, Mr. Wolozin

Econ 155 *Statistical Methods*
A non-calculus introduction to statistical inference. Primary objective is to familiarize the students with common statistical concepts so they will be able to make intelligent evaluations to technical reports. The first half of the course covers probability including common distributions. Second half studies hypothesis testing including T-tests, goodness of fit, contingency tables, analysis of variance, regression, and correlation.
3 lecture hours 4 credits
Ms. Garrity

Econ 200 *Economic Theory I, Macroeconomics*
Analysis of the forces determining the level and structure of gross national output, and those government policies which attempt to affect economic activities in the United States.
Prerequisite: Economics 100.
3 lecture hours 3 credits
Ms. Chachere

Econ 201 *Economic Theory II, Microeconomics*
Analysis of consumer behavior, the theory of production equilibrium of the firm and the industry, market structures and the pricing of factors of production.
Prerequisite: Economics 100 3 credits
Mr. Esposito

Econ 236 *Economic Development*
The economic meaning of underdevelopment, evaluation of alternative 'strategies' for economic growth, the role played by different kinds of resources, interaction of the problems of the underdeveloped countries of Africa, Asia, and Latin America with the policies of the developed countries.
Prerequisite: Economics 100.
3 lecture hours 3 credits
Ms. Garrity

Econ 249 *The Political Economy of Environmental Control*
An introductory survey of the impact and challenge of environmental disruption upon the environment and the quality of life in our society. The sources, measurement, and control of pollution as a problem in private and social planning. A transdisciplinary approach including legal, social, political and psychological factors.
Prerequisite: Economics 100.
3 lecture hours 3 credits
Mr. Wolozin

Econ 280 *The Economics of Health Care*
This course is primarily concerned with analyzing the health care delivery system in the United States. Among the topics covered will be the economic, social, and demographic factors determining the demand for health care, the supply of various kinds of health manpower, the financing of health care services and its impact on hospitals, and alternative systems of health care delivery.
Prerequisite: Economics 100.
3 lecture hours 3 credits
Mr. Esposito

English

Engl 101 *Freshman English I*
Practice in writing on various kinds of topics chosen to develop students' confidence and ability as writers. Readings and materials will vary from section to section, but all sections require a minimum of eight papers.
3 lecture hours 4 credits
Ms. Bershtell

Engl 102 *Freshman English II*
Practice in writing on kinds of topics often encountered in college courses. Readings and materials will vary from section to section, but all sections require a minimum of seven papers.
Prerequisite: English 101 or equivalent.
3 lecture hours 4 credits
Ms. Truesdell, Ms. Shariat

Engl 203 *Introduction to Shakespeare*
A one-semester introduction to Shakespeare's art through the study of a representative group of his plays. Special attention to writing.
3 lecture hours 4 credits
Mr. Phillips

Engl 213 *The Nature of Literature: Emphasis on Fiction*
An introduction to the various critical approaches to the understanding and appreciation of fiction. Techniques of close reading with special attention to the language and form of fiction as well as the writing of critical and interpretive papers.
3 lecture hours 4 credits
Mr. Jones

Engl 240 *Intermediate Composition*
A composition course offering continued practice in expository and argumentative writing. The emphasis will be on the development of rhetorical concepts — definition, exemplification, comparison, etc. — for both analytic and compositional purposes, for both critical reading and the organization and development of papers. Readings will be short, complex passages representative of the kinds of discourse met in college classes and texts.
3 lecture hours 4 credits
Ms. Mendillo

Engl 330 *History of the English Language*
Development of the English language from its beginnings to the present; concepts and techniques of descriptive and historical linguistics.
3 lecture hours 3 credits
Mr. Bruss

Engl 422 *Faulkner*
Faulkner's fiction studied as a major saga of modern man.
3 lecture hours 3 credits
Mr. Davis

French

French 101 *Elementary French I*
Intensive practice in the four language skills, with an audiolingual approach, for students who have no creditable training in French.
4 lecture hours, 2 lab hours 4 credits
Ms. Stern

French 102 *Elementary French II*
A continuation of French 101. Intensive practice in the four language skills, with an audio-lingual approach, for students who have completed French 101 or its equivalent.
4 lecture hours, 2 lab hours 4 credits
Ms. Stern

French 240 *French Conversation*
Daily practice in conversation on a wide variety of subjects, with a view toward building vocabulary and fluency.
Prerequisite: French 202 or equivalent and permission of instructor
3 lecture hours 4 credits
Staff

French 262 *Contemporary French Theatre*
Some of the masterpieces of French theatre from Giraudoux to the theatre of the absurd. No knowledge of French required. English translation. May fulfill part of the language requirement.
3 lecture hours 4 credits
Mr. Anzalone

French 301 *Traduction et Stylistique*
Intensive study of grammar, stylistics and composition. Problems of idiomatic translation based on contemporary English and American texts.
Prerequisite: French 202 or equivalent or permission of instructor.
3 lecture hours 3 credits
Mr. Anzalone

German

German 101 *Elementary German*
For students with no creditable training in German. Work in the four language skills with particular emphasis on listening and reading comprehension.
4 lecture hours, 2 lab hours 4 credits
Mr. Hoelzel

German 102 *Elementary German*
Continuation of German 101. Work in the four language skills with particular emphasis on listening and reading comprehension.
4 lecture hours, 2 lab hours 4 credits
Mr. Boelcskevy

History

Hist 111 *Western Civilization I*
The historical development of European civilization, ideas and institutions to 1789, including America's place in the western world. Training in oral and written expression.
3 lecture hours 4 credits
Mr. Segal

Hist 112 *Western Civilization II*
The historical development of European civilization, ideas and institutions since 1789, including America's place in the western world. Training in oral and written expression.
3 lecture hours 4 credits
Ms. Mago

Hist 117 *Introduction to African Civilization I*
The internal dynamics of pre-colonial African societies arising from the Bantu migrations, the rise and fall of the kingdoms of Ghana, Mali and Songhai, the city-states of Kilwa and Zanzibar, the development of the slave trade, and the influence of religion on tribal societies. Training in oral and written expression.
3 lecture hours 4 credits
Mr. Amiji

Hist 265 *American History I*
A survey of American history from 1763 to the Civil War. The expansion and consolidation of the American union, the development of national and international policies and the cultural and economic forces that shaped them.
3 lecture hours 4 credits
Mr. Brown

Hist 266 *American History II*
A survey of American history from the Civil War to the present. Expansion and consolidation of the American union, the development of national and international policies and the cultural and economic forces that shaped them.
3 lecture hours 4 credits
Mr. Halstead

Hist *277* *The United States in the Twentieth Century, 1937 to the Present*
American politics and culture from the New Deal to the present.
Prerequisite: History 266 or permission of instructor.
3 lecture hours 3 credits
Mr. Brown

Humanities

Human 383 *The Image of Women in Literature*
Archetypes and stereotypes of women in works by such writers as Chaucer, Shakespeare, Flaubert, Hawthorne, James, Ibsen, Checkhov, Hemingway, Faulkner, Mailer and Lessing.
3 lecture hours 3 credits
Ms. Hunt

Italian

Ital 101 *Elementary Italian I*
For students who have no creditable training in Italian, intensive practice in the four language skills, with an audio-lingual approach.
4 lecture hours, 2 lab hours 4 credits
Mr. Carrara

Ital 102 *Elementary Italian II*
The continuation of Italian 101. Intensive practice in the four language skills, with an audio-lingual approach.
Prerequisite: Italian 101 or equivalent.
4 lecture hours, 2 lab hours 4 credits
Staff

Latin

Latin 101 *Fundamentals of Latin I*
Designed to complete a standard basic textbook with Latin 102 (Fall).
3 lecture hours 4 credits
Mr. Houben

Latin 102 Continuation of Latin 101.
3 lecture hours 4 credits
Mr. Schork

Law and Justice

Lawjus 103A *Juries*
This course will critically evaluate the jury system. Contemporary dissatisfactions with the jury system will be assessed and alternatives discussed. In this context, the historical background to the development of the jury system will be studied in an attempt to uncover why this practice developed. Course material will include reading, films and first-hand accounts of jury selection and deliberations.
3 lecture hours 1 credit
Mr. Swartz

Lawjus 103B *Punishment*
This course will deal with the theory and practice of punishment, especially as integrated into our legal system. The topics covered will include: what is punishment; punishment and reward; punishment and crime; retributivist and deterrence theories of punishment; punishment and responsibility; alternative to punishment; rehabilitation and treatment. The issue of capital punishment will be considered in some detail, especially as it relates to recent successful and unsuccessful attempts at legislation.
3 lecture hours 2 credits
Mr. Swartz

Lawjus 104 *Introduction to Law and Justice*
Introduction to Law and Justice explores both the mutual support and the frequent gaps between law and justice as revealed in a selection of literacy, historical, anthropological, political, philosophical and sociological materials. It ranges inquiringly from primary definitions (Plato, the Constitution of the United States) to contemporary situations (Wiseman's Law and Order, local courts) that pose the recurring tensions between western culture's need for order and its haunting yen for justice that transcends law. The course (which parallels the foundation course in Law and Justince) uses lectures, discussions, field trips, films and tapes, and experts outside the University community.
3 lecture hours 4 credits
Mr. Cohen, Mr. Feldberg

Lawjus 470A *Criminal Law and the Legal Process*
This course will take an interdisciplinary approach to the study of criminal law. The primary focus of the course will be substantive criminal law and the relationship of history, philosophy and sociology to the development of our present legal system and process. Particular interest will be placed on issues revolving about the place of law in our society, the limits of criminal law, and the many actions involved in the criminal legal process (including on-sight visits to courts and prisons, if possible).
3 lecture hours 3 credits
Mr. Stern

Mathematics

Math 110 *Basic Math and College Algebra*
For students with weak math background who want to develop skills for further math and science courses. Covers a review of basic high school math and some of the material in Math 130. Generally limited to students with less than 3 years of high school math preparation.
3 lecture hours 4 credits
Staff

Math 125 *Elementary Probability Theory*
For non-science and non-mathematics majors. Topics include: elementary set theory, combinations, permutations and other counting formulas, finite probability theory, random variables and their distributions. Serves as preparation for Math 126 or statistics courses in other departments.
3 lecture hours 4 credits
Staff

Math 126 *Elementary Statistics*
Statistics without calculus. Begins with brief review of elementary probility. Finite distributions and probability density functions. Computation of elementary analysis of variance and regression. Expectation, confidence intervals and a few distribution-free non-parametric methods of data analysis.
Prerequisite: Math 125 or equivalent.
3 lecture hours 4 credits
Mr. Elyash

Math 130 *College Algebra and Trigonometry*
Provides a review of college algebra, trigonometry and enough analytic geometry to begin the calculus sequence. For students with adequate basic math skills who need to review and extend their knowledge of algebra, etc., before taking more advanced courses in math or science. Ordinarily science and math majors should begin with Math 140 and/or Math 150 (with the permission of both instructors a student who has completed Math 110 may take the Math 130 for credit.
3 lecture hours 4 credits
Mr. Byrnes and Staff

Math 140 *Calculus I*
The first in the calculus sequence of courses for science and mathematics majors. Starts with the basic concepts of functions and limits. Topics covered include: derivatives and their applications, definite and indefinite integrals with applications to geometrical and physical problems, discussion of algebraic and transcendental functions. A student who has received credit for Math 135 may not take Math 140 for credit without the explicit permission of the department.
Prerequisite: Math 110 or 130.
4 lecture hours 4 credits
Mr. Byrnes, Mr. Kamowitz and Mr. Mukherjee

Math 141 *Calculus II*
Continuation of Math 140. Topics include: integration, applications of the integral, sequences and series.
prerequisite: Math 140 or equivalent.
4 lecture hours 4 credits
Mr. Tomlinson

Math 150 *Vector Geometry and Matrices*
Plane and solid analytic geometry from the vector-space point of view. Elementary linear systems of equations. Elementary operations for 2 x 2 and 3 x 3 matrices over R. determinants.
Prerequisite: Math 130 or equivalent.
3 lecture hours 3 credits
Mr. Tanimoto

Math 260 *Linear Algebra I*
Elementary theory of abstract vector spaces. Topics include: linear independence, basis, dimension, linear maps and matrices, determinants, similarity, eigenvalues and eigenvectors.
Prerequisite: Math 141 and Math 150. Math 240 is advisory preparation for but may be taken along with Math 260.
3 lecture hours 4 credits
Mr. Godfrey

Math 267 *Computer Programming II*
The structure and internal language of computers, study of assembly language.
Prerequisite: Math 137 or equivalent.
3 lecture hours 4 credits
Ms. Lukas

Math 310 *Applied Ordinary Differential Equations*
Comprehensive study of ordinary differential equations. Series solutions to differential equations, Bessel functions. Characteristic functions. Fourier series. May not be taken for credit by anyone who has taken Math 255 or its equivalent.
Prerequisite: Math 141 and either Math 150 or Physics 114.
3 lecture hours (lab optional) 3 credits
Mr. Wortman

Math 320 *Advanced Calculus I*
Partial derivatives, differentials, differentiation of composite functions, inverses of transormations, jacobians, implicit function theorems, functional dependence. Gradient, divergence, curl, multiple integration, change of variable, improper double integrals, line integrals, Green's theorem, simply-connected and multiply-connected domains. Surface integrals, Stokes' and Gauss' theorems.
Prerequisite: Math 240.
3 lecture hours 3 credits
Mr. Hogan

Philosophy

Phil 100 *Introduction to Philosophy*
An introductory examination of the problems and scope of philosophy.
3 lecture hours 4 credits
Mr. Swartz and Staff

Phil 120 *Introduction to Logic*
The forms of valid reasoning, deductive and inductive, and their role in reflective thinking. Formal logic, truth functions, quantifiers, proofs of formal adequacy, the classical problem and new riddle of induction, reasoning with probabilities and elements of game theory.
3 lecture hours 4 credits
Staff

Phil 130 *Philosophy of Education*
Philosophical ideas and concepts relevant to the nature and aims of education.
3 lecture hours 3 credits
Mr. Shope

Phil 224 *Philosophy of Art*
The course will explore such questions as, what is the good of art, what is it for? Why museums? Is there such a thing as aesthetic education? Can art make us good, or true? Can it be taught, or is it a gift, or do we acquire it or the knowledge involved by training or in some other way? Is it a form of knowledge or simply aesthetic experience, is it active or is it passive (or somehow both)? Is it impersonal or self-expressive? Is it meant to be (i.e., is good art) useful, true, rational, meaningful, philosophical, or is it simply beautiful? What is beauty, and why and how does it move us — is that just obvious, or is there a reason? Is beauty a mystery — like goodness? Is art an imitation of the nature of things or of their sensible appearance? And of what things? How can we be moved by and learn from events and characters shown in works of art, when they are imagined and even abstract? What is their reality — what are they and do they exist and if so then how do they exist (e.g., independently of our acts of contemplating them through the works of art that present them, or even of those works of art themselves)? How does a work of art show us anything beyond itself, whether visible or otherwise? Why is so much traditional art, as it seems to be, about God and the soul? (e.g., guests, imprisonments and deliveries, gifts, recognitions, clashing rocks, razor wheels, inexhaustible vessels, trees of life guarded by dragons, labyrinths, ropes, loathly brides, headless magicians, floating islands, etc.) Are there criteria of art (good art) — e.g., asymmetry, simplicity, agedness, naturalness, latency, unconventionality, quietness, freedom, humor, sexuality, joy? Can something be too large to be a work of art — or too small? Readings will be taken from such writers as A.K. Coomaraswamy, Leo Tolstoy, Simone Weil, Max Picard, Iris Murdoch, John Berger, R.H. Blyth, Ernest Gombrich, the Grimm Brothers, Robert Bresson, Leonardo da Vinci, Shakespeare, and Plato.
3 lecture hours 3 credits
Mr. Andic

Physics

Physics 107 *College Physics I*
Non-calculus introductory physics for the student with a strong interest or background in science. Topics in mechanics, wave motions, heat, kinetic theory of gases, electricity, optics, atomic and nuclear physics. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Physics 171-172. (Physics 181-182 is also available).
Prerequisite: Mathematics 130 or permission of instructor.
3 lecture hours, 1 discussion hour 4 credits
Mr. Ginsburg, Mr. Rao

Physics 108 *College Physics II*
A continuation of Physics 107. Non-calculus introductory physics for the student with a strong interest or background in science. Topics in mechanics, wave motions, heat, kinetic theory of gases, electricity, optics, atomic and nuclear physics. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Physics 171-172. (Physics 181-182 is also available).
Prerequisite: Physics 107 or permission of instructor.
3 lecture hours, 1 discussion hour 4 credits
Mr. Keyes, Mr. Shah

Physics 122 *Introduction to Astronomy II*
A continuation of Physics 121. Descriptive introduction to astronomy and astrophysics. Includes study of the planets, stars, galaxies, physics of space exploration and life on other worlds. This course may be taken before Physics 121.
3 lecture hours 4 credits
Staff

Physics 132 *Energy*
The problems of energy — what it is, how it is obtained and used, limitations on its generation from various sources and on its utilization — are considered from all aspects — scientific, technical, environmental, economic, etc. Topics include: theory of energy, generation of energy from fossil, nuclear, solar, geothermal, atmospheric, and other sources. General problems related to the production and consumption of energy, and problems specific to particular sources.
3 lecture hours 4 credits
Staff

Physics 171 *Introductory Physics Laboratory I*
A two-semester course designed primarily for biology majors and premedical students. Experiments in basic physics on mechanics, electricity and magnetism, and optics with applications on the use of physical instruments and techniques in biology and medicine, such as theory and use of the microscope, the centrifuge, and electrophoresis techniques.
Corequisite: Physics 107-108 or 113-114.
2½ lab hours in alternate weeks 1 credit
Mr. Ginsburg, Mr. Rao

Physics 172 *Introductory Physics Laboratory II*
A two-semester course designed primarily for biology majors and premedical students. Experiments in basic physics on mechanics, electricity and magnetism, and optics with applications on the use of physical instruments and techniques in biology and medicine, such as theory and use of the microscope, the centrifuge, and electrophoresis techniques.
Corequisite: Physics 107-108 or 113-114.
2½ lab hours in alternate weeks 1 credit
Mr. Keyes, Mr. Shah

Political Science

PolSci 122 *Government and Politics of the United States*
The three main branches of the national government, federalsim, political parties and interest groups, and governmental functions.
3 lecture hours 4 credits
Mr. Posner

PolSci 123 *Political Ideas of the Twentieth Century*
Major political viewpoints of the present, including conservatism, liberalism, Marxism and facism.
3 lecture hours 4 credits
Mr. Simonds

PolSci 424 *American Foreign Policy*
Major issues and problems of American foreign policy in the contemporary world. The domestic sources of foreign policy. Problems examined will vary from year to year.
Prerequisite: junior standing.
3 lecture hours 3 credits
Mr. Posner

Psychology

Psych 101 *Introductory Psychology*
A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, motivation and emotion.
3 lecture hours 4 credits
Ms. Samuels and Staff

Psych 200 *Personality*
Comparative approach to personality theories of Allport, Cattell, Freud, Maslow, Murray, Kelley, ego psychologists, self-theorists and others. An examination of theorists' conceptions of human nature is used as a framework for discussing their formal theories. Empirical research on the theories and their applications also considered.
3 lecture hours 3 credits
Mr. Barton, mr. Costa

Psych 215 *Psychopathology*
Etiology, dynamics and treatment of psychopathology.
Prerequisite: Psychology 101.
3 lecture hours 3 credits
Mr. Costa, Mr. Gaines

Psych 245 *Educational Psychology*
Application of psychological concepts to education with emphasis on the role of the school, the family, the classroom, and the teacher in the educational process.
3 lecture hours 3 credits
Mr. Schleifer

Psych 260 *Physiological Psychology*
An examination, in depth, of selected topics in physiological psychology, including evolution of vertebrate nervous system, communication in the central nervous system, physiological methods, emotion, reward and punishment.
Prerequisite: Psychology 101 or Intro Biology.
3 lecture hours 3 credits
Ms. Samuels

Religious Studies

RelStd 122 *Introduction to Religion: Varieties of Religious Experience*
An introductory and survey course in the study of religion, concentration on certain figures and movements from the major world religious traditions, and using psychological, sociological and theological-philosophical approaches. Readings such as the Gilgamesh Epic, Augustine's confessions, Gandhi's autobiography, Hasidic stories, Zen Koans, Sufi tales, as well as contemporary writings.
3 lecture hours 4 credits
Staff

Russian

Russ 101 *Elementary Russian I*
For students with no previous training in Russian. Development of the four language skills, based on an audio-lingual approach.
4 lecture hours, 2 lab hours 4 credits
Mr. Kostich

Russ 102 *Elementary Russian II*
A continuation of Russian 101. For students with no previous training in Russian. Development of the four language skills, based on an audio-lingual approach.
4 lecture hours, 2 lab hours 4 credits
Mr. Kostich

Russ 265 *Chekhov*
Readings of selected plays and short stories of Chechov in English translation.
3 lecture hours 4 credits
Mr. Kostich

Sociology

Sociol 101 *Introduction to Sociology*
The structure of society, cultural patterns, and group life. The individual and socialization, groups, institutions, social systems, social change.
3 lecture hours 4 credits
Mr. Barlow, Mr. Bauman, Mr. Gerstein

Sociol 211 *The Urban Community*
The development of the city as a complex form of the human community. History and growth of urbanism in industrial societies and developing nations. Urban change and the problem of planning.
Prerequisite: Sociology 101.
3 lecture hours 3 credits
Mr. Nikkel

Sociol 241 *Elements of Sociological Theory*
Reading and discussion of basic sociological works in theory. Relevance of earlier and contemporary sociological interests and research.
Prerequisite: Sociology 101 and junior standing.
3 lecture hours 3 credits
Mr. Kamara, Ms. Adriance

Sociol 261 *Social Deviance and Control*
The social conditions of individual and group behavior disorders, deviant subcultures and social control.
Prerequisite: Sociology 101
3 lecture hours 3 credits
Ms. Jacobs

Sociol 351 *Methods of Sociological Research*
Design of sociological research and methods of inquiry. Organization and analysis of data. Development of research projects.
Prerequesite: Sociology 101 and junior standing.
3 lecture hours 3 credits
Mr. Brown

Sociol 361 *Criminology*
A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Prerequisite: Sociology 101 and junior/senior standing.
3 lecture hours 3 credits
Mr. Movahedi

Sociol 382 *Social Psychology of Sex Roles — Men and Women in Society*
An analysis of male and female roles in society with consideration of biological and psychological factors. Attention to socialization processes which reflect society's functional definition of acceptable and deviant sex roles.
Prerequisite: Sociology 101.
3 lecture hours 3 credits
Ms. Preston

Sociol 463 *Corrections*
Prisons, jails, parole, and probation. Attention to inmate social structure, philosophy underlying correctional system and modern treatment approaches.
Prerequisite: junior standing and Sociology 462.
3 lecture hours 3 credits
Mr. Brin

Sociol 466 *Research Studies in the Sociology of Alcoholism*
An in depth analysis of sociological factors related to drinking behavior, alcoholism, and treatment and prevention programs. Special emphasis placed on theory, research studies and methodological problems in studying alcoholic populations. Attention also given to special topics — alcohol and crime, traffic safety, family crises, industry and skid row.
Prerequisite: Sociology 101, senior standing, and permission of instructor.
3 lecture hours 3 credits
Mr. Cadigan

Spanish

Span 101 *Elementary Spanish*
For students with no creditable training in Spanish. An intensive study of the four language skills based on an audio-lingual approach.
4 lecture hours, 1 lab hour 4 credits
Mr. Hall

Span 102 Elementary Spanish
A continuation of Spanish 101. An intensive study of the four language skills based on an audio-lingual approach.
4 lecture hours, 1 lab hour 4 credits
Ms. Estow

Span 115 *Intensive Elementary Spanish*
An intensive study of the four language skills for those who wish to do a full year of elementary Spanish in one semester. May be taken for credit by students who have studied two years in high school and wish to start over.
8 lecture hours, 2 lab hours 8 credits
Mr. Ryan

Span 201 *Intermediate Spanish*
An oral review and further study of the language skills with readings in Spanish and Spanish-American literature and culture. A student may not receive credit for both 201 and 203.
Prerequisite: Spanish 102 or equivalent.
3 lecture hours, 1 lab hour 4 credits
Mr. Hall

Span 202 *Intermediate Spanish*
A continuation of Spanish 201. An oral review and further study of the language skills with readings in Spanish and Spanish-American literature and culture. A student may not receive credit for both Spanish 202 and 204.
Prerequisite: Spanish 201 or equivalent.
3 lecture hours, 1 lab hour 4 credits
Ms. Estow

Span 303 *Advanced Spanish Composition and Conversation*
Intensive work in written and oral Spanish. Weekly themes and frequent oral reports.
Prerequisite: Intermediate Spanish or equivalent.
3 lecture hours 3 credits
Mr. Barradas

Theatre Arts

ThrArt 230 *Workshop in Drama*
A course designed to study the connection between the text and the performance of a musical play. Intensive sessions in skills development will be offered, as well as musical production work.
3 lecture hours, 3 lab hours 4 credits
Ms. VanVoorhis, Mr. W. Roberts

ThrArt 236 *Introduction to Acting I*
Acquiring acting skills. Methods of approaching emotions, actions, and scene work.
3 lecture hours 3 credits
Ms. Ausubel, Mr. Edelson

ThrArt 482 *Shakespearian Acting*
An interpretive study of Shakespearian plays based on an historical awareness of acting techniques.
3 lecture hours 3 credits
Mr. L. Roberts

Women's Studies

WoSt 100 *Women and Society, an Introduction to Women's Studies*
An introductory, interdisciplinary course recommended as a first course in Women's Studies. Through lectures, readings, and discussions, students will examine the origins of women's oppression; female and male sex roles; marriage and the family; women workers at home and in the labor force. Students will relate course material to experiences in their own lives. Preference given to first and second year students.
3 lecture hours 4 credits
Ms. Froines

Graduate Courses

Biology

Biol 722 *Concepts and methods in Cytology*
The structural basis of cellular and subcellular functions, with practical experience in methods of visualizing cellular structure.
Prerequisite: permission of instructor.
hours by arrangement 5 credits
Mr. Banerjee

Chemistry

Chem 721 *Chemical Synthesis I*
The tactics and strategy of accomplishing the synthesis of a chemical substance. Examples of organic and inorganic systems.
Prerequisite: Acceptance into the graduate chemistry program, or permission of instructor.
hours by arrangement 3 credits
Mr. Anselme

English

Engl 705 *Contemporary American Fiction*
A study of the scope (times and types) and strains (types and tensions) in the post WWII, post modern American novel, with special attention to the persistence of realism, the insistent presence of surrealism, and the sometime combination of the two.
3 lecture hours, 2 conference hours 5 credits
Mr. O'Connell

Engl 720 *Chaucer*
A study of Chaucer's major work in the Middle English. Special attention to such considerations as Chaucer's poetic development, his relations to his sources, medieval literary theory, and the social, political, and religious backgrounds.
3 lecture hours, 2 conference hours 5 credits
Ms. McAlpine

Mathematics

Math 721 *Theory of Functions of a Complex Variable I*
First semester of a two semester course. Topics to be selected from linear transformations of a complex variable. Power series and elementary functions. Holomorphic functions and Cauchy's theorem. Theory of residues, isolated singularities. Conformal mappings. Entire and Meromorphic functions and their representations by means of products and partial fractions. Elliptic functions. Analytic continuation and Riemann surfaces. Algebraic functions.
Prerequisite: Math 450 or equivalent.
3 lecture hours 3 credits
Mr. Azpeitia

Math 731 *Partial Differential Equations I*
Hamilton-Jacobi Theory for equations of first order. Distributions. Fourier integrals of distributions Sobolev spaces of distributions.
3 lecture hours 3 credits
Ms. O'Neill

The College of Public and Community Service

The College of Public and Community Service (CPCS) prepares people for careers in public and community service. Its students are primarily urban adults who come from backgrounds of active community involvement and work in social service agencies. Education at CPCS combines the development of practical professional skills with a critical and inquiring perspective gained through exploration of the social sciences and humanities.

CPCS is a competency-based program. *Competence is knowledge in action: knowing and doing something well.* Competence will be evaluated according to clearly specified criteria to which both students and faculty are responsible. At the conclusion of the Institute, students will be awarded Certificates of Competency in those areas where they have demonstrated competence. These "competencies" bear a four credit equivalency which can be used on a pass-fail basis in other Colleges of UMB or other institutions of higher education, providing those institutions will credit work done in the Summer Institute toward their degreee requirements.

Making It: Basic Management for Small Agencies
Goals of course: To provide an overview of four areas of critical concern to good management of small agencies: personnel practices, frant development, financial controls and community relations. Regular CPCS students will earn the Personnel Practices Comptency. Non-UMass students as well as CPCS students will receive a certificate indicating completion of the course entitled: Basic Management for Small Agencies.
Time needed outside of class: 2 hours per week
Ms. Upshur

Female and Male: The Social Psychology of Sex Roles
Competencies to be addressed: Role and Identity Certificate, # 5 (Role Conflict and Role Integration)
Goals: An examination of the nature of sex roles in modern society is a good place to look at the interaction among social structure, culture, and our personal behavior. Through discussion, readings, films, guest speakers and field projects we will analyze male and female roles. In particular, we will consider:

1) The origins of modern sex roles
2) The socialization process: the learning of sex roles
3) Institutional influences
4) Work
5) Sexuality
6) Black and White
7) Changing sex roles

One important feature of the course is to provide some opportunity for women to discuss issues raised with other women and for men to discuss issues raised with other men.
Time needed outside of class: 6 hours per week
Mr. Wachs

Experiencing a Small Group: An Inside View
Competency to be addressed: Small Groups Certificate — Individual as a group member. (#2)
Goals: The primary emphasis of this course is on the development of insight and skill in observing and diagnosing group behavior. Essentially, it is a small group experience with focus on a variety of ways of looking at what happens in small groups.
How to learn the Competencies: The information growing out of weekly small group meetings will serve as the prime source of data for analyzing the group's process: communication patterns, norms that develop, how decisions are made, how conflict is handled, etc. The course is seen, also, as an opportunity for the student/participant to observe and evaluate his/her own interpersonal style with an eye towards improving effectiveness in working with other people.
Time needed outside of class: 4-6 hours per week.
Mr. Wachs

CPCS-CMD Summer Institute
Communications in Social Service Agencies

The Summer Institute on Communications in Social Service Agencies is jointly sponsored by CPCS and CMD. The Institute is an example of this fusion of professional skills and critical awareness of major issues in the field, focusing on courses in Media and the Public Interest, Communication Planning and Production Skills.

The Center for Media Development is a multi-purpose service, production and training department actively engaged in the design of audio-visual programming for broadly defined educational and public service applications. The Center's staff is composed of professioals whose experience includes academic, industrial and governmental media production and training.

The students at the Summer Institute will be a cross section of UMass/Boston student and personnel drawn from social service agencies in the Boston area. The faculty will be made of highly experienced professionals. This should provide an exciting mix of experience for this innovative program. Students may enroll in one, two or three courses offered by the Institute.

Media and the Public Interest
This seven week course will focus on the history and development of the mass media (television, radio, press, magazines, newspapers) in the United States. Of particular concern will be an examination of the media in relation to serving the public interest. This concern will necessitate defining "the public interest". The course will look at the history, development, and functions of government regulatory agencies (such as the FCC, FTC, etc.), current legislation effecting the media, license renewal procedures and challenges, minority access, pay TV issues, cable TV issues, issues of local/network programming, the role of public television, the jurisdictional battle between PBS and CPB, the role of advertising, issues of financing, structural questions, various media research studies in selected areas (such as violence, viewing habits, ownership, role of communication decision-makers, etc.). Congressional committees, programming trends, censorship or standards, issues of ownership, and other related public policy questions as effected by media-related decisions in both the public and private sector.

The course will use a case study method and lectures where appropriate and will require extensive reading and writing on the student's part. There will be guest lecturers from various sectors of the media over the seven week period.
Dr. Philip Hart

Production Workshop
A $25.00 Lab Fee will be charged for this course.

A hands-on project oriented seminar in the preparation of edited video tapes and synchronized slide shows. The course will provide an in-depth introduction to the equipment and operating procedures involved in these media. The aim of the course is to inspire confidence and competence in persons unfamiliar with the techniques of production planning, shooting and editing a finishing project. Students will be exposed to examples of work in these media, especially material that exemplifies applications in the public service sector. Creation of a final video tape or slide show will constitute the major work of the course on the basis of which the competency certificate is awarded.
Charles Burnham, Jeffrey Gerow

Communications Planning
A course designed to provide public and community service personnel with communications planning skills as specifically applied within governmental and educational settings. The course is geared especially for public information officers, training personnel, and other individuals involved in special training or information program efforts such as citizen participation or consumer education. The course content includes: case method illustrations of the applications of communications and media technologies for intra- and inter-institutional use; locating, identifying and utilizing hardware and software resources ("access media"); media production research, budgeting and maximization strategies; program distribution methods; and supervisory management techniques for initiating, planning, organizing and controlling communications activities within the public and community service fields.
Dr. Gunther Weil

College of Professional Studies
Management Program

List of courses to be offered in College of Professional Studies during the Summer of 1977.

The Summer Program in the College of Professional Studies is primarily intended to provide opportunities for students regularly enrolled in the Management Program to continue progress toward their degrees. Students from the other colleges of UMB and students not enrolled in degree programs at UMB are also welcome in these courses provided that there is space available and that students meet the course pre-requisites.

Prerequisites

Students wishing to take Management Courses during the summer should be sure that they meet the pre-requisites included in the course listing prior to registering for the course. Students not enrolled at UMB will be asked to provide information regarding their educational preparation on the first day of classes.

Course Listing

Mgt 110 *Communications I*
This first course in communications presents the basics of composition: the structure and use of sentences, standard English grammar and formal style, and the criteria for organizing and writing compositions. It is particularly designed for incoming students, students returning to school after lengthy periods of outside activity and for students with major difficulty in fundamental areas of language use. Connections are drawn between tactics of writing and speech.
3 lecture hours 4 credits

Mgt 125 *College Algebra*
Intensive study of college algebra designed for those who have not taken sufficient mathematics to prepare them for the topics covered in Mgt 130.
3 lecture hours 4 credits

Mgt 140 *Introduction to Management*
A first course in the functions and problems in management. Designed to introduce students to the concrete world of management for which much of their subsequent course work will be designed to prepare them.
3 lecture hours 4 credits
Prerequisites: This course is available in the summer only to students who are not majoring in the CPS.

Mgt 220 *Managerial Statistics*
This is a non-calculus introduction to statistical description and inference. The purpose of the course is to give the students sufficient knowledge so that they will be able to intelligently evaluate statistical reports and to properly gather, tabulate, and analyze research data. Topics covered include tabulation and statistical measurement of sample data, probability (including common distributions), parametric and nonparametric hypothesis testing (two sample, contingency tables, goodness of fit, and analysis of variance), estimation, regression, correlation, survey and sampling techniques, and experimental design.
Prerequisite: Management 130 or equivalent.
4 lecture hours 4 credits

Mgt 301 *Communications Seminar*
An intensive study of writing particularly designed for upper division students whose writing ability must develop to meet the demands of coursework and a career. Contents of the course include major statements, composition structure, the use of information, and relations with an audience.
3 lecture hours 1-3 credits
Prerequisites: Students must have completed at lease one year of College-level work (32 credits).

Mgt 320 *Operations Research*
This course provides an overview of important concepts and techniques used for deriving optimum solutions to managerial problems. The course begins with definitions of system, manager, and optimum decisions. States of nature, alternative course of action, objective function, payoff matrix, and opportunity loss are explored. Three types of decision-making situations, certainty, uncertainty and risks are examined and decision-making criteria are derived. The remainder of the course explores several of the widely used operations research techniques, such as flow charts, task diagrams, pert networks, Monte Carlo technique, assignment, (resource allocation), transportation (distribution), and general linear programming.
Prerequisites: Management 130 and 220 or equivalent. Students must have completed at least one year of college-level work (32 credits).
3 lecture hours 3 credits

Mgt 321 *Operations Management*
This is an introduction to the principle problems and issues that confront the manager; of the interactions among physical resources which result in the production of a good or delivery or a service. The course also explores methodologies of analysis and decision making as applied to these problems and issues. Appropriate quantitative techniques such as cash flow convergence, mathematical programming, regression analysis, decision analysis, queuing models, and simulation are covered. The remainder of the course studies the fundamental elements of production and ser-

vices delivery management. Included are such topics as facilities management, work measurement, process design, forecasting, scheduling and dispatching, production and inventory control, quality control, effects of thechnological change, and economics of transportation and logistics.
Prerequisite: Management 320. Students must have completed at least one year of college-level work (32 credits).
3 lecture hours 3 credits

Mgt 330 *Marketing Management in the Public and Private Sectors I*
Managers — whether in business, government, or other types of organizations — should be capable of participating in the process through which an organization attempts to achieve its objectives by acting on and reacting to its environment. In this course, students will learn to analyze the structure and behavior of: 1) social, economic, technological, political, legal and other systems within which an organization operates; 2) individuals and groups within those systems towards which an organization's products or services are directed and from which its resources are obtained. Students will then learn to formulate, and evaluate programs designed to achieve an organization's objectives by influencing and adapting to its external environment. The courses will make use of lectures, class discussion, exercises, report writing, and case studies.
Prerequisite: Students must have completed at least one year of college-level work (32 credits).
3 lecture hours 3 credits

Mgt 340 *Management of Financial Resources I*
The greater part of this course is an introduction to financial accounting, emphasizing concepts rather than bookkeeping procedures. The course also includes brief treatment of the management of the short-term financial needs of profit and non-profit entities.
Prerequisite: Students must have completed at least one year of college-level work (32 credits).
3 lecture hours 4 credits

Mgt 350 *Management of Human Resources I*
An introductory course centered around the processes of planning, organizing, directing and controlling activities as they relate to the effective utilization and development of people in formal organizations. Students will be exposed to the analytical tools useful in conceptualizing, diagnosing and acting on managerial problems related to the interaction between organizations, their objectives and the development of human resources. Emphasis will be given to the notions of organization analysis and design, and on the analysis of the effects of organizational structure on human performance.
Prerequisites: Students must have completed at least one year of college-level work (32 credits).
3 lecture hours 3 credits

Mgt 480 *Management Internship*
Full or part-time work experience in management settings, supervised by an on-site supervisor and a management program faculty sponsor. Credit also available to students with prior managerial experience who develop a professional portfolio about that experience under the supervision of a faculty sponsor. Open only to management majors who have completed 75 credits, 3 out of the 4 management core courses and the application process during advance registration period.
Prerequisite: Permission of CPS Dean's Office. Management students only.
hours by arrangement 4-8 credits

Mgt 500 *Exchange Program With Northeastern University*
Students enrolled in the management program may, with the approval of the Dean of the College of Professional Studies, take specialized course work not available at the University of Massachusetts/Boston at the College of Business Administration at Northeastern University. Students interested in this option should contact the College of Professional Studies (Dean's Office). Priority will be given to management majors.

In-Resident Faculty Members

Madelyn Adriance, B.A. (Emmanuel College), M.A. (Boston University), Lecturer in Sociology

Hatimali Amiji, B.A. (University of London), M.A. (Princeton University), Lecturer in History

Martin Andic, A.B. (Dartmouth College), A.M., Ph.D. (Princeton University), Associate Professor Of Philosophy

John Anzalone, B.A (University of Massachusetts at Boston), M.A., Ph.D. (Tufts University), Assistant Professor of French

Barbara G Ausubel, B.A (Brooklyn College), M.F A (Boston University), Lecturer in Theatre Arts

Barbara Ayres, B.A. (Coe College), M.A (University of North Carolina), Ph.D. (Harvard-Radcliffe), Associate Professor of Anthropology

Alfonso Azpeitia, M.S , Ph.D. (University of Madrid), Professor of Mathematics

Andrew Barlow, B.A. (Oberlin College), M.A. (Boston University), Lecturer in Sociology

Efrain Barradas, B.A (Universidad de Puerto Rico), M A (Princeton University), Instructor in Spanish

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